WHAT IS CLAIMED IS:

immersing the article containing the film into a tank of etchant;

rotating the article while in the etchant for a predetermined amount of time so as to cause improved uniformity of etching of the film compared to etching without rotating the article; and

removing the article from the tank of etchant.

2. The method of claim 1 wherein the step of rotating comprises sequentially rotating the article.

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- rotating comprises rotating the article a predetermined amount but less than a complete rotation, etching the article a predetermined amount of time, and repeating the steps of rotating and etching for a predetermined amount of time.
- 4. The method of claim 1 wherein the step of rotating comprises continuously rotating the article a predetermined amount of time.
 - 5. The method of claim 1 wherein in the step of rotating, the article is rotated at a speed of 1 to 5 revolutions per minute.
 - 6. The method of claim 1 wherein the film is a metallic film.
- 7. The method of claim 1 wherein the film is a nonmetallic film.
- 8. A method of improving the uniformity of etching of a film on a semiconductor wafer, the method comprising the steps of:

- immersing the semiconductor wafer containing the film into a
 tank of etchant;
- 5 rotating the semiconductor wafer while in the etchant for a 6 predetermined amount of time; and
- 7 removing the semiconductor wafer from the tank of etchant.
 - 9. The method of claim 8 wherein the step of rotating comprises sequentially rotating the semiconductor wafer.
 - 10. The method of claim 8 wherein the step of sequentially rotating comprises rotating the semiconductor wafer a predetermined amount but less than a complete rotation, etching the semiconductor wafer a predetermined amount of time, and repeating the steps of rotating and etching for a predetermined amount of time.
- 1 11. The method of claim 8 wherein the step of rotating 2 comprises continuously rotating the semiconductor wafer a 3 predetermined amount of time.

- 1 12. The method of claim 8 wherein in the step of rotating,
- 2 the semiconductor wafer is rotated at a speed of 1 to 5
- 3 revolutions per minute.

- 1 13. The method of claim 8 wherein the semiconductor wafer
- further comprises a plurality of solder bumps on the film.
 - 14. The method of claim 8 wherein the film is a metallic film.
 - 15. The method of claim 8 wherein the film is a nonmetallic film.